

| INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> | | APR 12 2006 ST. P. T. & T. M. C. | Docket Number (Optional) F05-420-US | Application Number 10/564,416 | | | | |
|--|-----|---|---|---|-------|----------|----------------------------|-----------|
| | | | Applicant(s) Masanobu ANDO, et al. | | | | | |
| | | | Filing Date January 12, 2006 | Group Art Unit Not Yet Assigned | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| *EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
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| U.S. PATENT APPLICATION PUBLICATIONS | | | | | | | | |
| *EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| SWC | | 2002/0171092 A1 | 11/21/2002 | GOETZ, et al. | | | | |
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| | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
| SWC | | EP 1 280 212 A2 | 01/29/2003 | Europe | | | YES | NO |
| SWC | | 0 662 739 A1 | 07/12/1995 | Europe | | | | |
| SWC | | 11-026812 | 01/29/1999 | Japan | | | ABS ONLY | |
| | | | | | | | | |
| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | | |
| SWC | | European Search Report dated March 8, 2006 | | | | | | |
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| EXAMINER CRANE | | | | DATE CONSIDERED 6/2006 | | | | |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | |

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| | | | Applicant(s) Masanobu ANDO, et al. | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| <i>SWL</i> | | Kneissl, et al. "Continuous-wave operation of ultraviolet InGaN/InAlGaN multiple-quantum-well laser diodes", Applied Physics Letters, AIP, American Institute of Physics, Melville, NY, US, Vol. 82, No. 15, April 14, 2003, Pages 2386-2388, XP012033738. | | | | | |
| <i>SWL</i> | | Nakamura, et al. " InGaN/GaN/AlGaN-based laser diodes with modulation-doped strained-layer superlattices grown on an epitaxially laterally overgrown GaN substrate", Applied Physics Letter, AIP, American Institute of Physics, Melville, NY, US, Vol. 72, No. 2, January 12, 1998. | | | | | |
| EXAMINER | | | DATE CONSIDERED | | | | |
| <i>CRANE</i> | | | <i>6/2006</i> | | | | |
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| INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> | | | ATTY DOCKET NO. | APPLICATION NO. 602594416 | |
| | | | F05-420-US | Not Yet Assigned | |
| | | | APPLICANT(S) Masanobu ANDO, et al. | FILING DATE 12 JAN 2005 | |
| | | | FILING DATE 12 JAN 2005 | GROUP/ART UNIT | Concurrently Herewith |
| | | | Not Yet Assigned | | |

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| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|--|-----------------|------------|-----------------|-------|----------|----------------------------|
| SWL | | 6,100,586 | 08/08/2000 | Chen et al. | | | |
| SWL | | 5,578,839 | 11/26/1996 | Nakamura et al. | | | |
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| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|-----|--|-----------------|------------|---------|-------|----------|-------------|-----|
| | | | | | | | YES | NO |
| SWL | | 2002-43695 | 02/08/2002 | Japan | | | | ABS |
| | | 2003-197969 | 07/11/2003 | Japan | | | | ABS |
| | | 2003-101081 | 04/04/2003 | Japan | | | | ABS |
| | | 11-46038 | 02/16/1999 | Japan | | | | ABS |
| SWL | | 11-16812 | 01/22/1999 | Japan | | | | ABS |

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| SWL | | R.P. Schneider, Jr. et al., "MOVPE growth of InAlGaN-based visible vertical-cavity surface-emitting lasers" Journal of Crystal Growth 124 (1992) 763-771 North-Holland |
| SWL | | S. Keller et al., "Growth of bulk InGaN films and quantum wells by atmospheric pressure metalorganic chemical vapour deposition" Journal of Crystal Growth 170 (1997) 349-352 |

| EXAMINER | DATE CONSIDERED |
|----------|-----------------|
| ORANG | 6/2006 |

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| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | ATTY DOCKET NO. F05-420-US | APPLICATION NO. 11/144,166 Not Yet Assigned | | |
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| | | | | Masanobu JAPAN Rec'd PCT/PTO 12 JAN 2006 | | | |
| FILING Concurrently Herewith | | | | GROUP ART | Not Yet Assigned | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| SWL | | 2003-229645 | 08/15/2003 | Japan | | | AB5 |
| | | 2002-16284 | 01/18/2002 | Japan | | | AB5 |
| | | 2003-234545 | 08/22/2003 | Japan | | | AB5 |
| SWL | | 2001-160627 | 06/12/2001 | Japan | | | AB5 |
| | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| SWL | | C.F. Klingshirn, "Semiconductor Optics" Springer, p284-331 | | | | | |
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| EXAMINER <i>CRANE</i> | | | | DATE CONSIDERED <i>6/2006</i> | | | |
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